

Table 1

Values Derived By Regression Analysis and Impedance Spectroscopy

MEA	Regression Analysis			*IS
	E ₁ Volts	b mV/dec	R, V/100 A/cm ²	R, V/100A/ cm ²
I – No Treatment (0 μmoles/cm ² SO ₃ H)	0.967	0.066	29.4	37
II – Nafion (0.45 μmole/cm ² SO ₃ H)	1.001	0.062	21.5	17
III – Aqueous Treatment (~0.1 μmoles/cm ² SO ₃ H)	1.005	0.080	35.4	25
IV – Aqueous/IPA Treatment (> 0.2 μmoles/cm ² SO ₃ H)	0.999	0.048	38.9	30
V- Kynar Bonded (1.1 μmoles/cm ² SO ₃ H)	0.999	0.066	46.3	17

*IS = Impedance Spectroscopy

At page 26, please replace Table 2 with the following new table (please note that the values have been aligned to coordinate with the description, no matter change or addition has been made):

Table 2

Accessible Platinum Areas as Measured by Cyclic Voltammetry

MEA	Accessible Platinum Surface Area, m ² /g
I – No Treatment (0 μmoles/cm ² SO ₃ H)	10
II – Nafion (0.45 μmole/cm ² SO ₃ H)	77
III – Aqueous Treatment (~0.1 μmoles/cm ² SO ₃ H)	14
IV – Aqueous/IPA Treatment (> 0.2 μmoles/cm ² SO ₃ H)	62
V- Kynar Bonded (1.1 μmoles/cm ² SO ₃ H)	85

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At page 35, please replace Table 6 with the following new table (please note that the header column justification has been amended for clarification only, no matter change or addition has been made):

Table 6
Ion Exchange With Cationic Pt(II) Complex

A3

Sample No.	Aliquot Volume Ml	Filtrate Pt Concentration mg/ml	Fraction Pt Exchanged
6386-43-2	8	5.7	0.62
6386-43-3	12	8.3	0.45
6386-43-4	15	9.8	0.35

Page 32, please replace the paragraph beginning at line 5 and ending at line 11 with the following:

A4
Zonyl FSD, 10 g, was diluted with 50 g of water. The resulting solution contained 5.0 mmoles of surfactant. A 10 g sample of diafiltered VXC 72 with 0.68 mmoles/g of attached $-C_6H_4SO_3H$ groups was dispersed in 100 cc of an aqueous medium containing 40 weight % isopropanol. The surfactant solution was added over 10 minutes to the stirred dispersion. Stirring was continued for an additional 60 minutes after which the resultant product was isolated by filtration, washed until it was free of chloride ions and dried at 100 °C.

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